

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b>	
(Only for new nonprovisional applications under 37 CFR 1.53(b))	
<b>APPLICATION ELEMENTS</b>	
See MPEP chapter 600 concerning utility patent application contents.	
<p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)  <input type="checkbox"/> (Submit an original and a duplicate for processing)</p> <p>2. <input type="checkbox"/> Applicant claims small entity status.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages <b>182</b>]             (Preferred arrangement set forth below)           <ul style="list-style-type: none"> <li>- Descriptive title of the invention</li> <li>- Cross Reference to Related Applications</li> <li>- Statement Regarding Fed Sponsored R &amp; D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (if filed)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> </p> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <b>45</b>]</p> <p>5. Oath or Declaration [Total Pages <b>2</b>]             a. <input checked="" type="checkbox"/> Newly executed (original or copy)  <input type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d))            (for continuation/divisional with Box 17 completed)           <p>i. <input type="checkbox"/> DELETION OF INVENTOR(S)            Signed statement attached deleting Inventor(s)            named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</p> <p>6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p> </p>	
<p>7. <input type="checkbox"/> CD-ROM or CDR in duplicate, large table or Computer Program (Appendix)</p> <p>8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> Computer Readable Form (CRF)</li> <li>b. Specification Sequence Listing:               <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</li> <li>ii. <input type="checkbox"/> paper</li> </ul> </li> <li>c. <input type="checkbox"/> Statements verifying identity of above copies</li> </ul> </p>	
<b>ACCOMPANYING APPLICATION PARTS</b>	
<p>9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))</p> <p>10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> (when there is an assignee) <input type="checkbox"/> Attorney</p> <p>11. <input type="checkbox"/> English Translation Document (if applicable)</p> <p>12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>13. <input type="checkbox"/> Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)            (Should be specifically verified)</p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s)            (if foreign priority is claimed)</p> <p>16. <input type="checkbox"/> Other: .....</p>	

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-part (CIP)

of prior application No. \_\_\_\_\_, J. \_\_\_\_\_

Prior application information:

Examiner \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**18. CORRESPONDENCE ADDRESS**

Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or  Correspondence address below

Name	Peter L. Kendall			
Address	Roylance, Abrams, Berdo & Goodman, L.L.P. 1300 19th Street, N.W., Suite 600			
City	Washington	State	DC	Zip Code
Country	USA	Telephone	(202) 530-7371	Fax (202) 659-9344

Name (Print/Type)	Peter L. Kendall	Registration No. (Attorney/Agent)	46,246
Signature	<i>Peter L. Kendall</i>	Date	September 9, 2003

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.



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# FEE TRANSMITTAL

## for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1,192.00)

## Complete if Known

Application Number	
Filing Date	September 9, 2003
First Named Inventor	Chae-Whan Lim et al.
Examiner Name	
Art Unit	
Attorney Docket No.	45682

## METHOD OF PAYMENT (check all that apply)

Check  Credit card  Money Order  Other  None

Deposit Account:

Deposit Account Number	18-2220
Deposit Account Name	Roylance, Abrams, Berdo

The Commissioner is authorized to: (check all that apply)

 Charge fee(s) indicated below  Credit any overpayments Change any additional fee(s) during the pendency of this application Charge fee(s) indicated below, except for the filing fee

to the above-identified deposit account

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 750	2001 375	Utility filing fee	750.00
1003 330	2002 165	Design filing fee	
1003 520	2003 260	Plant filing fee	
1004 750	2004 375	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
<b>SUBTOTAL (1)</b>			<b>(\$ 750.00)</b>

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Extra Claims	Fee from below	Fee Paid
Total Claims 33	-20** = 13	18 + 234 = 252
Independent Claims 5	-3*** = 2	84 + 168 = 252
Multiple Dependent		

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 84	2201 42	Independent claims in excess of 3
1203 280	2203 140	Multiple dependent claim, if not paid
1204 84	2204 42	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
<b>SUBTOTAL (2)</b>		<b>(\$ 402.00)</b>

\*or number previously paid, if greater. For Reissues, see above

\*Reduced by Basic Filing Fee Paid **SUBTOTAL (3) (\$ 40.00)**

(Complete if applicable)

Name (Print/Type)	Peter L. Kendall <i>lkl</i>	Registration No. (Attorney/Agent)	46,246	Telephone (202) 659-9076
Signature		Date	September 9, 2003	

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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